

AMSTER  
ROTHSTEIN  
& EBENSTEIN LLP

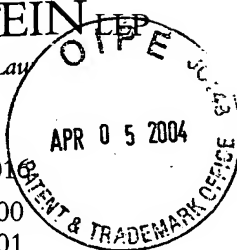
Intellectual Property Law

90 Park Avenue  
New York NY 10016

Main 212 336 8000

Fax 212 336 8001

Web www.arelaw.com



Partners

Morton Amster  
Jesse Rothstein (1934 - 2003)  
Daniel Ebenstein  
Philip H. Gottfried  
Michael J. Berger  
Neil M. Zipkin  
Anthony F. Lo Cicero  
Kenneth P. George  
Abraham Kasdan, Ph.D.  
Ira E. Silfin  
Chester Rothstein  
Craig J. Arnold  
Kenneth M. Bernstein

Senior Counsel

Charles R. Macedo  
Mark J. Rosenberg  
Nancy M. Dodderidge

Of Counsel

Jerry D. Dainow

Associates

Neal L. Rosenberg  
Patrick Boland\*  
Trebzor Lloyd  
Joseph M. Casino  
John S. Economou

Michael V. Solomita

Holly Pekowsky  
Michael P. Kenney  
Marion P. Metelski  
Max Vern  
Dana R. Metes  
Karl J. Kolbinger  
Brian A. Comack  
Richard S. Mandaro  
Marc J. Jason  
Elie H. Gendloff, Ph.D.  
David Mitnick  
Charles W. Rath  
David A. Boag

Karen J. Bernstein

Mathieu Hausig  
Jung S. Hahm  
Reiko Kaji  
Alan D. Miller, Ph.D.  
Hsin-Hsin (Ginger) Liu  
John A. Lepore\*  
Norajean McCaffrey

\*Not admitted in New York

April 5, 2004

Elie H. Gendloff, Ph.D., Esq.

Direct 212 336 8108

E-mail egendlof@arelaw.com

Via Express Mail

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

"Express Mail" mailing label No.	EV 330818919 US
Date of Deposit:	April 5, 2004
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Name:	Elie H. Gendloff
Signature:	

Re: U.S. Utility Patent Application No. 10/049,804 Filed July 26, 2002  
Title: PREPARATION OF METAL OXIDE SUPPORTS LOADED WITH BIOMOLECULES  
Inventor: F. Venema  
Our File: 65959/16

Sir:

Enclosed please find the following documents for filing in connection with the above-identified application in the name of F. Venema, entitled PREPARATION OF METAL OXIDE SUPPORTS LOADED WITH BIOMOLECULES:

1. Information Disclosure Statement (1 page);
2. Information Disclosure Statement by Applicant, Forms PTO/SB/08A and PTO/SB/08B (2 pages) with seven (7) references attached thereto; and
3. Return receipt postcard.

Commissioner for Patents  
Alexandria, VA 22313-1450  
IDS for Application Serial No. 10/049,804

-2-

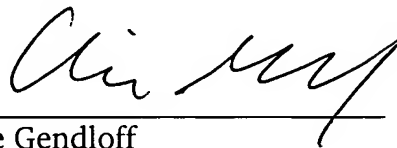
April 5, 2004

Please acknowledge receipt of the enclosed documents by stamping the enclosed postcard and returning same.

Respectfully submitted,

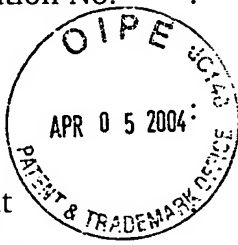
Amster, Rothstein & Ebenstein LLP  
Attorneys for Applicants  
90 Park Avenue  
New York, NY 10016  
212 336 8000

Dated: New York, New York  
April 5, 2004

By:   
Elie Gendloff  
Registration No. 44,704

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : F. Venema  
 Application No. : 10/049,804  
 Filed : July 26, 2002  
 For : PREPARATION OF METAL OXIDE SUPPORTS  
 LOADED WITH BIOMOLECULES  
 Art Unit : 1645  
 Examiner : Unknown

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

"Express Mail" mailing label No.	EV 330818919 US
Date of Deposit:	April 5, 2004
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Name:	Elie H. Gendloff
Signature:	

Pursuant to 37 C.F.R. §§§ 1.56, 1.97 and 1.98, Applicants enclose herewith Forms PTO/SB/O8A and PTO/SB/O8B and a copy of each of the references cited therein, which may be deemed relevant to the above-identified application and are made of record to assist the U.S. Patent and Trademark Office in its examination of this Application. The Examiner is requested to fully consider the items and independently assess their teachings.

No fee is deemed necessary for the filing of this Information Disclosure Statement. If any fee should be required, authorization is hereby given to charge any such fee to Deposit Account No. 01-1785.

Respectfully submitted,

Amster, Rothstein & Ebenstein LLP  
 Attorneys for Applicants  
 90 Park Avenue  
 New York, NY 10016  
 212 336 8000

Dated: New York, New York  
 April 5, 2004

By:   
 Elie H. Gendloff  
 Registration No. 44,704

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

***(Use as many sheets as necessary)***

Sheet	1	of	2
-------	---	----	---

**Complete if Known**

Application Number	10/049,804
Filing Date	July 26, 2002
First Named Inventor	F. Venema
Art Unit	1645
Examiner Name	to be assigned
Attorney Docket Number	65959/16



PTO/SB/08B (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/049,804		
		Filing Date	July 26, 2002		
		First Named Inventor	F. Venema		
		Art Unit	1645		
		Examiner Name	to be assigned		
Sheet	2	of	2	Attorney Docket Number	65959/16

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	4	BALLADUR, V. et al.: "Determination of the Main Forces Driving DNA Oligonucleotide Adsorption onto Aminated Silica Wafers"; Journal of Colloid and Interface Science, 1997, Vol. 194, pp. 408-18	
	5	FADDA, M.B., et al.: "Covalent Coupling of Concanavalin A to Commercial Alumina"; Biotechnology and Applied Biochemistry, 1992, Vol. 16, pp. 221-27	
	6	FREY, A., et al.: "Peptomer Aluminum Oxide Nanoparticle Conjugates as Systemic and Mucosal Vaccine Candidates: Synthesis and Characterization of a Conjugate Derived from the C4 Domain of HIV-1MN Gp120"; Bioconjugate Chem., 1997, Vol. 8, pp. 424-33	
	7	WOJCIK, S.M. and PUELO, D.A.: "Biochemical Surface Modification of Ti-6A1-4V for the Delivery of Protein to the Cell-Biomaterial Interface"; Biomedical Sciences Instrumentation, April 11-13, 1997, Vol. 33, pp. 166-71	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.